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	Application No.	Applicant(s)	
	10/734,574	CHO ET AL.	
Notice of Allowability	Examiner	Art Unit	<u>'</u>
	KHAI TRAN	2611	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due	led course. THIS
1. 🖾 This communication is responsive to the applicant filed 12/	<u>/12/2007</u> .		
2. X The allowed claim(s) is/are <u>1-3</u> .			•
3.	been received. been received in Application No cuments have been received in this is of this communication to file a reply of this application. itted. Note the attached EXAMINER' best reason(s) why the oath or declarate to be submitted. son's Patent Drawing Review (PTO-1) s Amendment / Comment or in the Ones. 84(c)) should be written on the drawing the header according to 37 CFR 1.121(c) sit of BIOLOGICAL MATERIAL in	national stage applicational stage applicational stage application of the front (not the first be submitted.	quirements NOTICE OF
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/12/2003 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal Pager No./Mail Dat 7. ☐ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	owance -

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REASONS FOR ALLOWANCE

Drawings

1. Figures 1-3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Allowable Subject Matter

- 2. Claims 1-3 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: none the prior art of the record discloses or suggests that a quadrature modulation transmitter comprises: a digital processing block for receiving an I-channel data, a Q-channel data and a clock signal, modulating the I-channel data or an inverted I-channel data into a first analog signal by means of an I-channel DAC according to a switching of an I-clock signal identical to the clock signal, and modulating the Q-channel data and an inverted Q-channel data into a second analog signal by means of a Q-channel DAC according to a switching of a Q-clock signal, the Q-clock signal being an inverted clock signal; and an analog processing block for receiving the first and second analog signals from the digital processing block, adding the first and second analog signals, converting the added

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signal into an RF domain signal through a mixing operation, and amplifying and transmitting the RF domain signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Moon et al (US 2003/0118126 A1) disclose an apparatus and method for compensating error for analog quadrature modulator (AQM).

Taiwalker et al (US2004/0146118 A1) disclose a method and apparatus for RF carrier suppression in a multi-modulator transmitter.

Itahare (US 2004/0232985 A1) discloses a hybrid distortion compensation method and hybrid distortion compensation device.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI TRAN whose telephone number is (571) 272-3019. The examiner can normally be reached on 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JAY PATEL can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KHAI TRAN

Primary Examiner

Wanmanten

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KT February 2, 2007